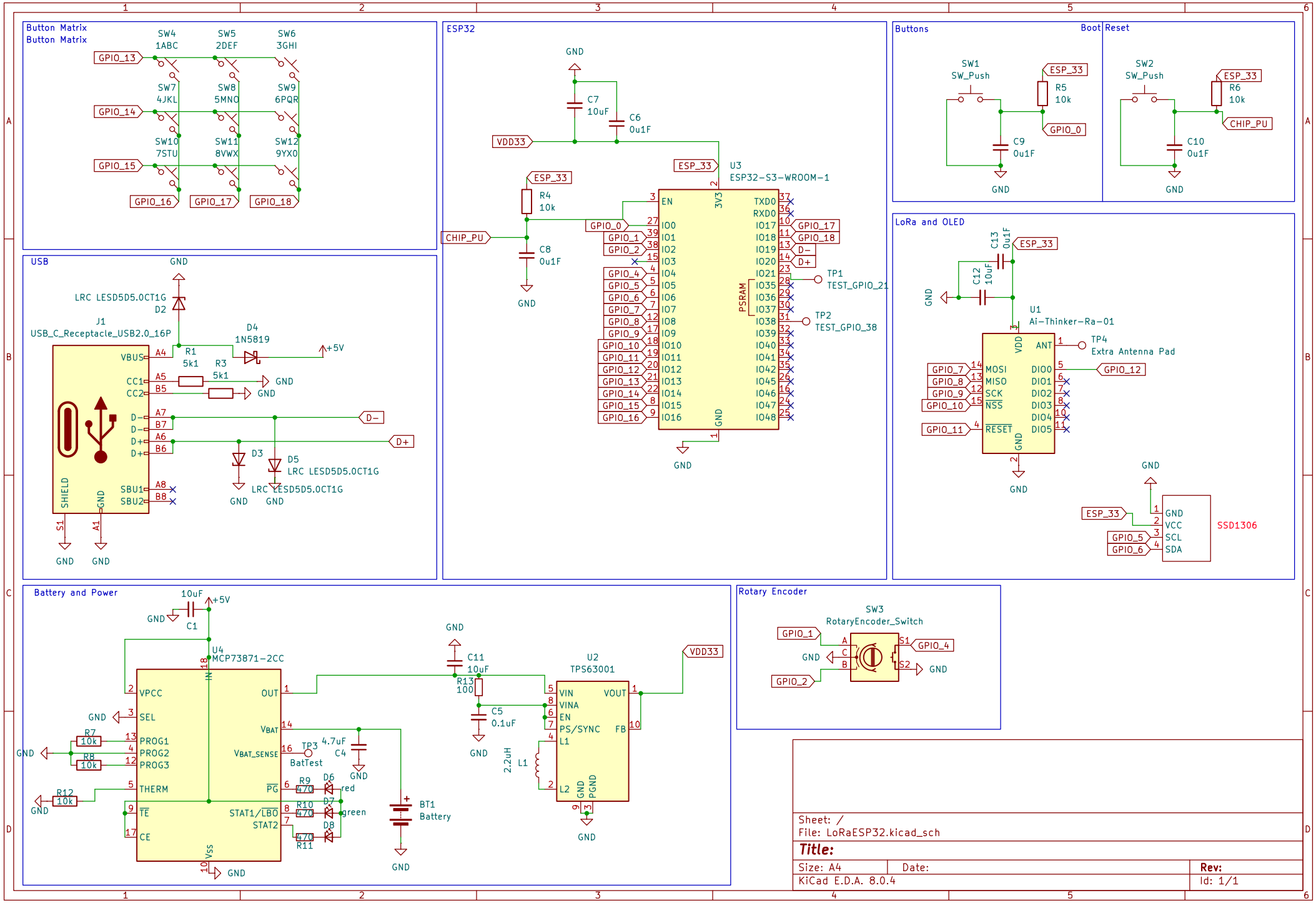
Button Matrix
Button Matrix
SW4
1ABC
SW5
2DEF
SW6
3GHI
SW7
4JKL
SW8
5MNO
SW9
6PQR
SW10
7STU
SW11
8VWX
SW12
9YX0
GPIO_13
GPIO_14
GPIO_15
GPIO_16
GPIO_17
GPIO_18
ESP32
U3
ESP32-S3-WROOM-1
C7
10uF
C6
0u1F
VDD33
ESP_33
R4
10k
CHIP_PU
C8
0u1F
GND
TP1
TEST_GPIO_21
TP2
TEST_GPIO_38
Buttons
Boot
Reset
SW1
SW_Push
R5
10k
C9
0u1F
GPIO_0
SW2
SW_Push
R6
10k
C10
0u1F
CHIP_PU
USB
J1
USB_C_Receptacle_USB2.0_16P
LRC LESD5D5.0CT1G
D2
D4
1N5819
R1
5k1
R3
5k1
+5V
D3
D5
LRC LESD5D5.0CT1G
D-
D+
SHIELD
LoRa and OLED
U1
Ai-Thinker-Ra-01
C13
0u1F
C12
10uF
TP4
Extra Antenna Pad
SSD1306
Battery and Power
U4
MCP73871-2CC
C1
10uF
+5V
R7
10k
R8
10k
R12
10k
R9
470
R10
470
R11
470
D6
red
D7
green
D8
TP3
BatTest
C4
4.7uF
BT1
Battery
U2
TPS63001
C11
10uF
R13
100
C5
0.1uF
L1
2.2uH
VDD33
Rotary Encoder
SW3
RotaryEncoder_Switch
Sheet: /
File: LoRaESP32.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. 8.0.4
Id: 1/1